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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/827,741	04/06/2001	Vivek Amir Jairazbhoy	10541/277	6704
757	7590 07/12/2002			
BRINKS HOFER GILSON & LIONE			· EXAMINER	
P.O. BOX 10395 CHICAGO, IL 60610			. DUONG, THO V	
			ART UNIT	PAPER NUMBER
		3743		
			DATE MAILED: 07/12/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)

Other:

Application/Control Number: 09/827,741

Art Unit: 3743

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4.6.10-11 and 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Paterson (US 5,529,115) in view of Thomas O. Paine (US 3,603,382). Paterson discloses (figures 1 and 4) a heat pipe (10) comprising a container having a receptacle (13) for receiving an electronic device (12); the container having an inner wall (24) and an outer wall (14) defining a chamber that is partially filled with a liquid coolant (20) and capable of receiving a cooling conduit; a condenser plate (48) positioned within the container. Paterson does not disclose that a wick structure lining within an annular space between two coaxial conduits. Thomas discloses (figure 1-3 and column 4, lines 16-28) a heat pipe comprising a container having an outer wall (12) and an inner wall (12) receiving a cooling conduit; a wick structure (14) including a first wick structure (24) lining the inside of the outer wall (12); a second wick structure (20) lining the inside of the inner wall (10); a communicating wick structure (22) periodically connected the first and the second wick structure so that heat can be effectively transferred from the outer wall (12) to the inner wall (18) by evaporation at the outer wall and condensation at the inner wall. It would have been obvious to one having ordinary skill in the art at the time the invention was made to use Thomas's

teaching in the cooling device of Paterson to effectively transfer heat from the outer wall to the inner wall by evaporation at the outer wall and condensation at the inner wall. As regards claim 4, the communicating wicks (24) are symmetrical. Therefore, if the heat applied to the outer wall right below to one of the communicating wicks, the opposite communicating wick is considered to be readable on the claimed limitation of flow divider.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kosson et al. (US 3,901,311) discloses a heat pipe that has a wick structure forming a hollow core in the middle.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Tho Duong whose telephone number is (703)305-0768. The examiner can normally be reached on from 8:30 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennet, can be reached on (703)308-0101. The fax phone number for the organization where this application or proceeding is assigned is (703)308-7764.

Any inquiry of a general nature or relating to status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0861.

Tho Duong

July 2, 2002